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## Sensor Fusion Applications for Navigation and Indoor Positioning

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### Message from the Guest Editor

Indoor positioning has many applications, including in navigation, asset tracking, wayfinding, and location-based advertising. In comparison with outdoor environments, indoor environments are more complex and contain multiple objects. There are many sensors that can be used for indoor positioning, but all of them have some limitations. Therefore, sensor fusion is employed to combine measurements from multiple sensors for improved positioning accuracy and reliability.

We encourage authors from academia and industry to submit new research results related to sensor fusion for indoor positioning and navigation. The topics include but are not limited to the following:

- Multiple sensors:
  - Wi-Fi, Bluetooth, ultra-wideband (UWB), radio frequency identification (RFID), etc.
  - Computer vision, light detection and ranging (Lidar), maps or landmarks, etc.
  - Odometers, inertial measurement units (IMUs), magnetic sensors, etc.
- Sensor fusion methods:
  - Fusion levels: raw data; detections; tracks, etc.
  - Fusion algorithms: KF, EKF, UKF, CNN, fuzzy logic, etc.
- Indoor positioning applications: navigation, asset tracking, wayfinding, etc.



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# Special Issue



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## Message from the Editor-in-Chief

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